

Quadratics: Factoring $ax^2 + bx$

Factoring is the same thing as doing the distributive property in reverse.

Factor $48y^2 - 10y$
 $2y(24y - 5)$

* Find what is common to both $48y^2$ and $10y$

* This is NOT factored form
 $4x(5x + 3) - 17$

If there is addition or subtraction OUTSIDE the () then it is not factored form. Factored form means to find what terms multiply to give you the expanded form.

Factor the following

① $8x - 20x^2 =$

② $13x^2 + 26x =$

③ $-81x^2 - 9x =$

④ $4m^2 - 10n^2 =$